Recombinant Human CBX5 293 Cell Lysate

Cat. No. CBX5-7802HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for chromobox homolog 5 (HP1 alpha homolog, Drosophila) (CBX5), transcript variant 3 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	CBX5 chromobox homolog 5 [Homo sapiens]
Official Symbol	CBX5
Synonyms	CBX5; chromobox homolog 5; chromobox homolog 5 (Drosophila HP1 alpha) , chromobox homolog 5 (HP1 alpha homolog, Drosophila); chromobox protein homolog 5; HP1; HP1 alpha homolog (Drosophila); HP1 ALPHA; HP1Hs alpha; HP1-ALPHA; antigen p25; HP1 alpha homolog; heterochromatin protein 1-alpha; heterochromatin protein 1 homolog alpha; chromobox homolog 5 (HP1 alpha homolog, Drosophila); HP1A;
Gene ID	23468
mRNA Refseq	NM_001127321
Protein Refseq	NP_001120793
MIM	604478
UniProt ID	P45973
Chromosome Location	12q13.13
Pathway	Aurora B signaling, organism-specific biosystem; E2F transcription factor network,

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	organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	chromatin binding; enzyme binding; histone deacetylase binding; methylated histone residue binding; protein binding; protein binding, bridging; repressing transcription factor binding;

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